



SR 520 Tolling: Traffic Monitoring

Thursday, January 05, 2012

Baseline data: M-F, 10/29-11/18 & 11/26-12/16

Daily Volume:

% change
1/5/2012
baseline

SR 520 Bridge

-41%
59,200
101,100

I-90 Bridge

14%
157,800
137,900

Cross-lake Total I-90, SR 520, SR 522

-6%
262,000
279,700

SR 522 at 68th Ave NE

11%
45,000
40,700

Traffic Summary:

Traffic volume on the SR 520 bridge was down over 40% compared to a typical weekday. I-90 volume was up by 14% and SR 522 volume was up by 11% at 68th Ave NE. Total cross-lake traffic on SR 520, I-90 and SR 522 was down 6%. The rest of the region had a decrease in volume of 0-3% compared to a typical November through mid-December weekday. Travel time across SR 520 was faster than usual in both directions during both morning and evening peaks. Westbound I-90 travel time was within the normal range; however, eastbound during peaks and westbound in the morning were slightly higher than normal. Travel time on SR 522 was about the same as average all day westbound and eastbound in the morning, and only 2-3 minutes higher than normal eastbound in the evening.

Major Incidents:

Disabled vehicle on I-5 SB at SR 520 blocking 1 lane from 7:48 to 7:50 am
 Disabled vehicle on SR 522 WB just west of NE 170th St blocking 1 lane from 7:35 to 7:52 am
 Disabled vehicle on I-5 SB at SR 520 blocking 1 lane from 8:18 to 8:22 am
 Collision on I-90 WB at Mt Baker Tunnel blocking 1 lane from 9:00 to 9:08 am
 Collision on I-90 WB at E Mercer Way partially blocking 1 lane from 9:57 to 10:19 am
 Disabled vehicle on I-5 SB at NE 175th St blocking 1 lane from 10:29 to 10:31 am
 Collision on I-5 SB at James St blocking 2 lanes from 11:52 am to 12:04 pm
 Collision on I-5 NB at Spokane St blocking 1 lane from 1:11 to 1:16 pm
 Collision on SR 18 at Issaquah-Hobart Rd blocking all lanes from 1:16 to 3:04 pm
 Disabled vehicle on I-5 SB at NE 45th St blocking 1 lane from 3:53 to 3:57 pm
 Collision on I-405 NB at Talbot Rd blocking 1 lane from 4:10 to 4:15 pm
 Collision on SR 167 NB just south of I-405 blocking 2 lanes from 5:28 to 5:35 pm
 Disabled vehicle on SR 18 EB just east of I-5 blocking 1 lane from 6:05 to 6:14 pm
 Collision on I-5 SB just north of Marine View Dr blocking 1 lane from 8: 24 to 8:56 pm

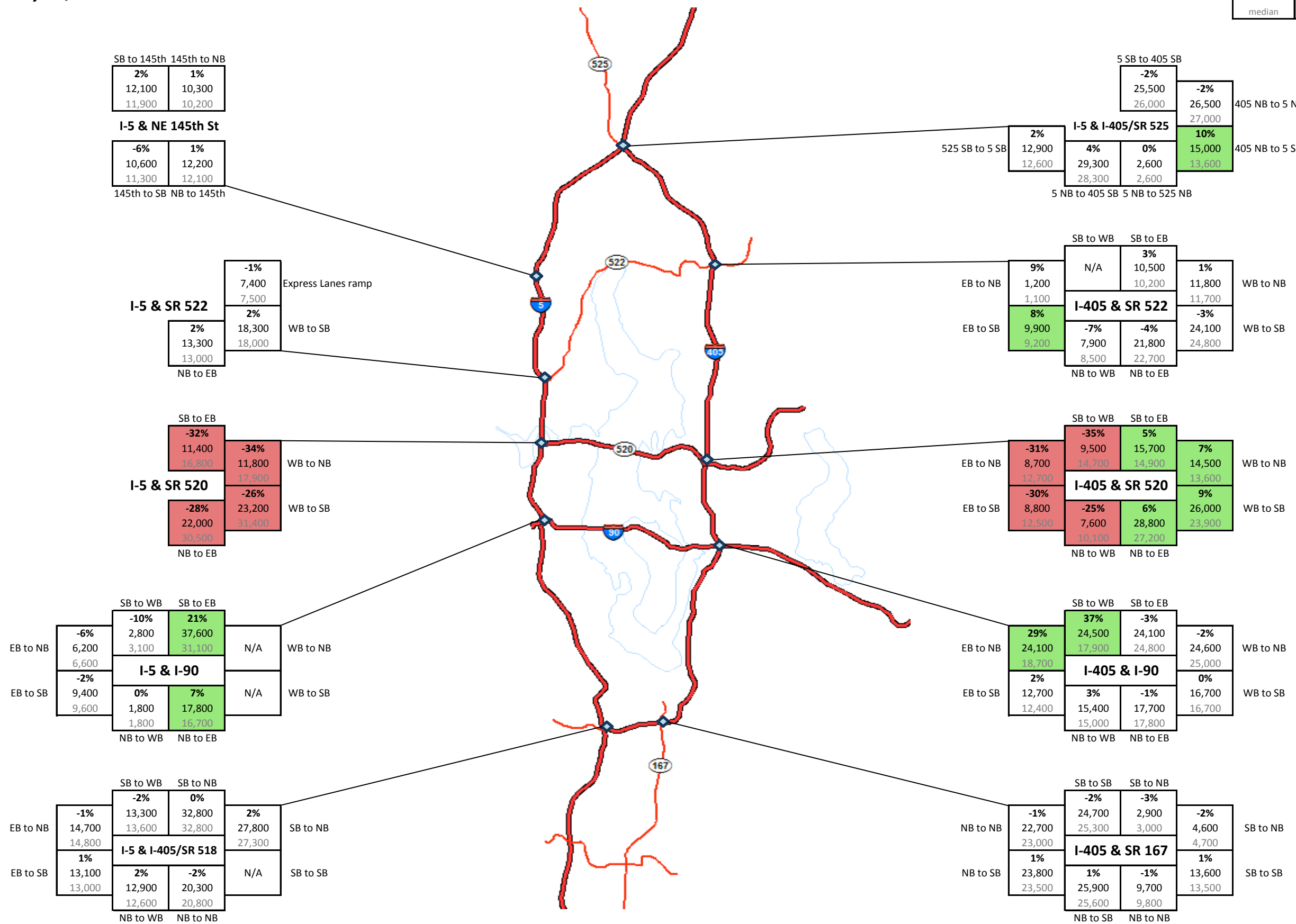
Special Events:

None

SR 520 Tolling: Traffic Monitoring
Daily Interchange Volumes
Thursday, January 05, 2012

Base data: M-F, 10/29-11/18 & 11/26-12/16

% change	above range	below range
1/5/2012	of typical	of typical
median	variation	variation
	(10th/90th percentile)	



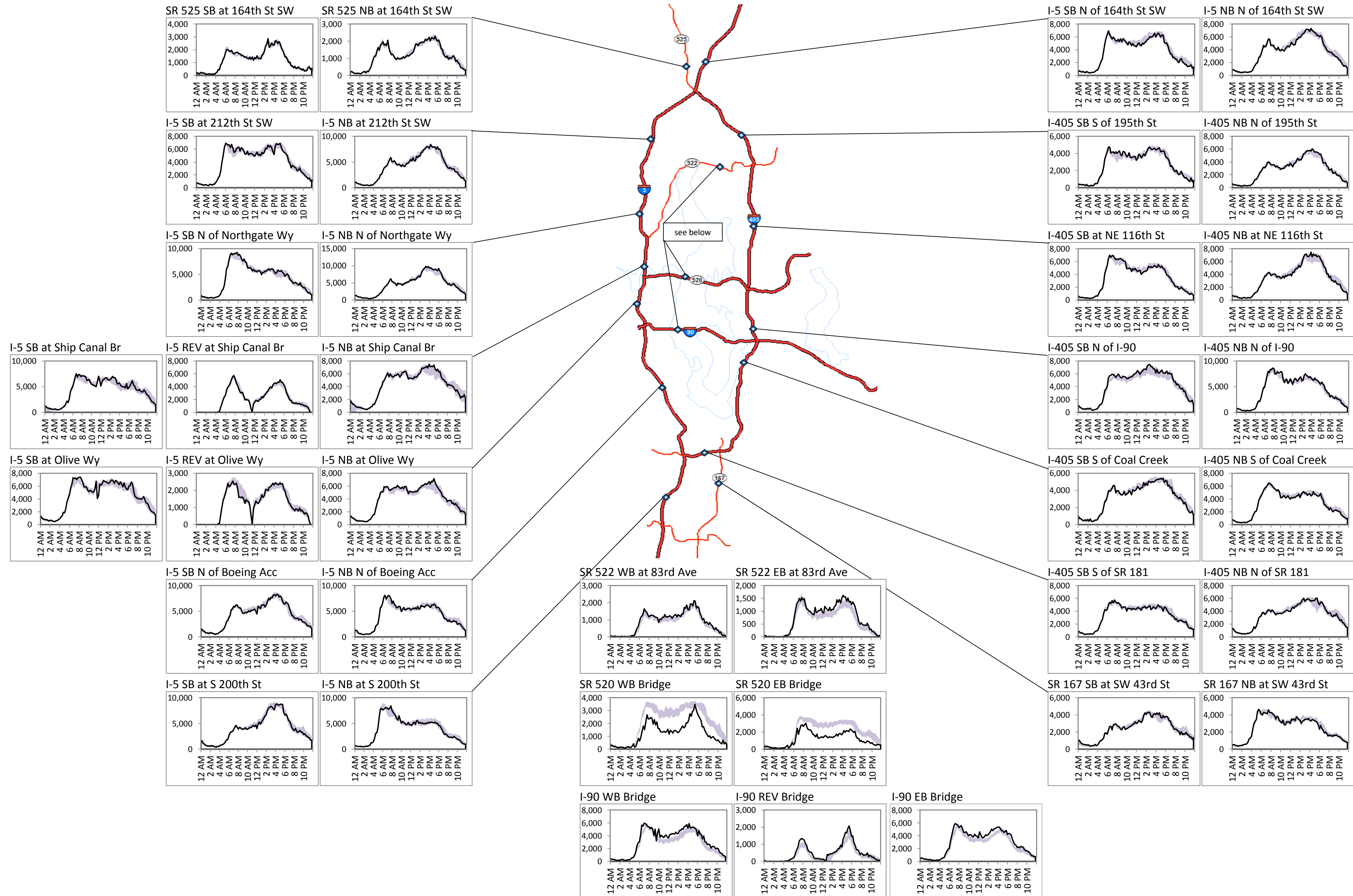
SR 520 Tolling: Traffic Monitoring

Hourly Mainline Volumes

Thursday, January 5, 2012

— Thursday, January 5, 2012

■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)



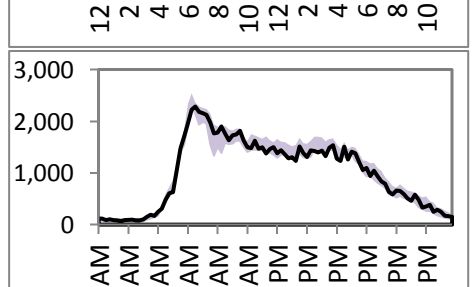
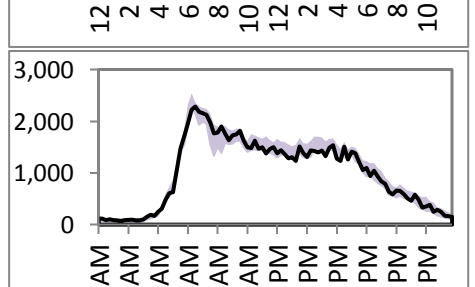
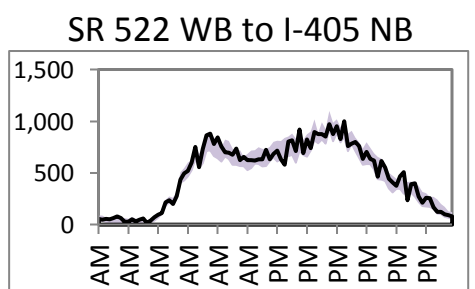
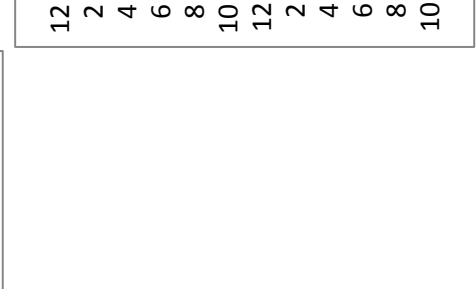
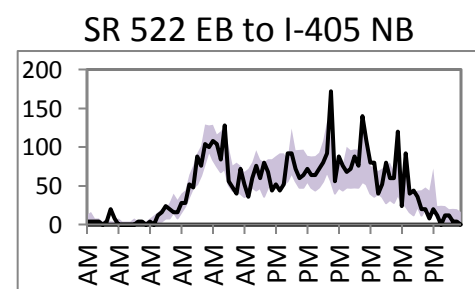
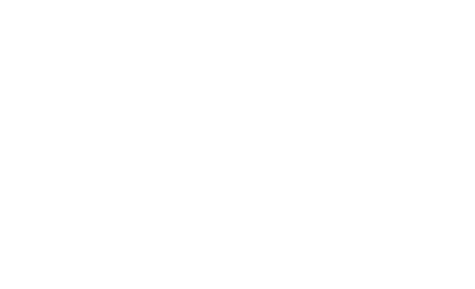
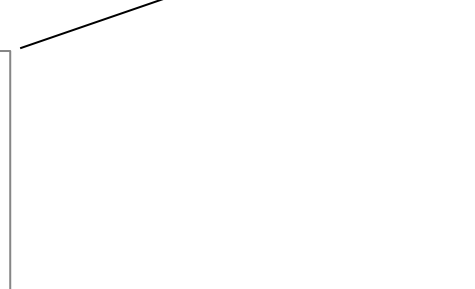
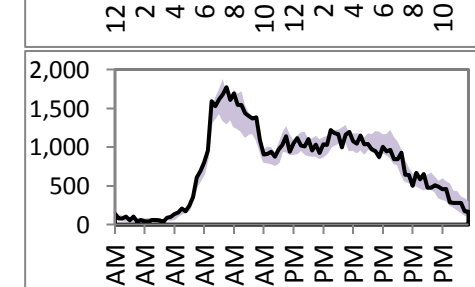
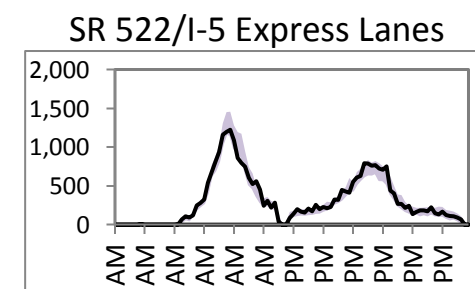
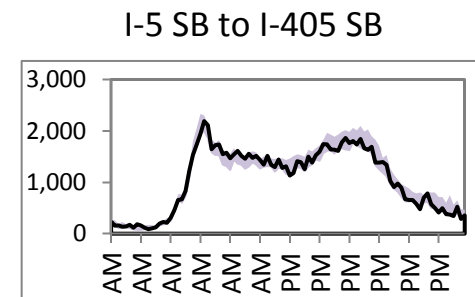
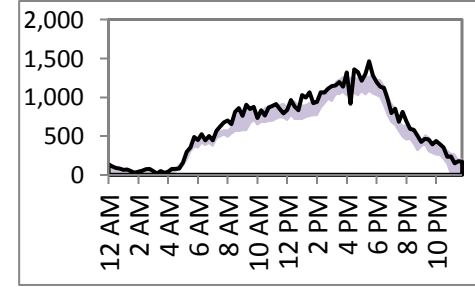
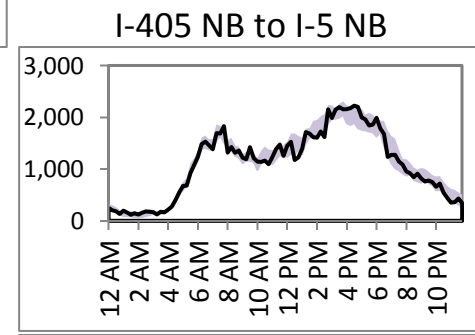
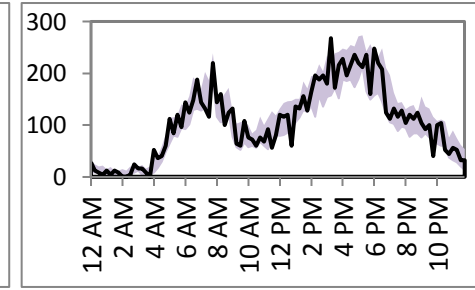
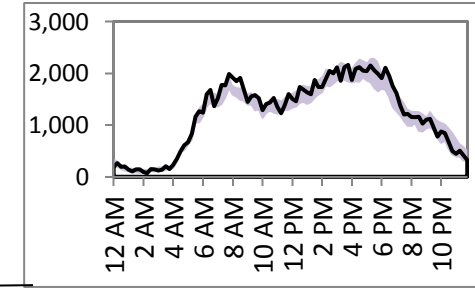
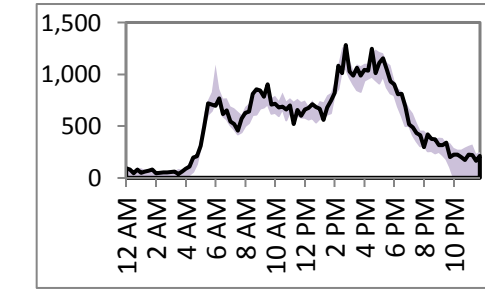
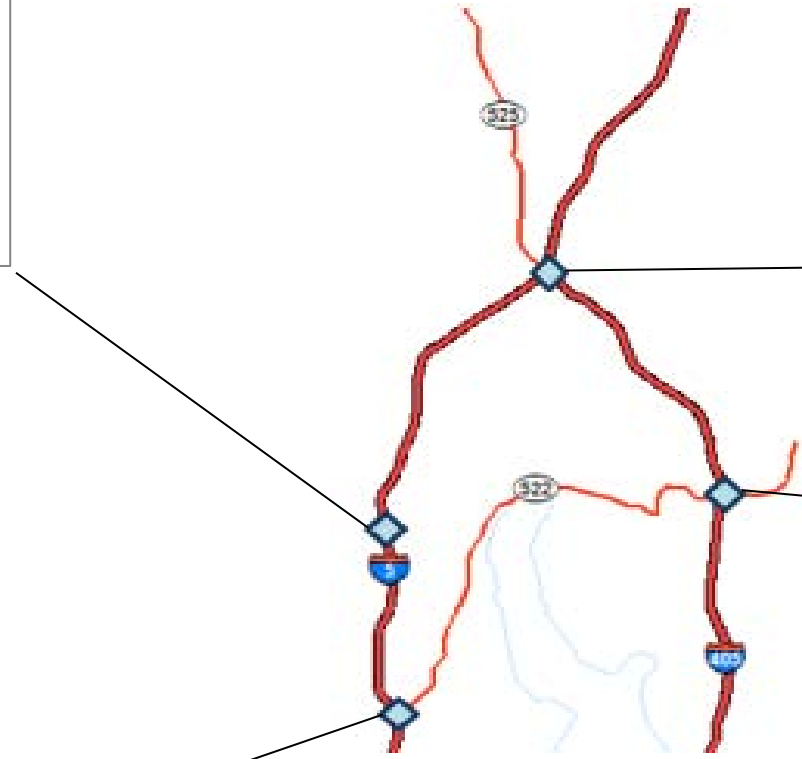
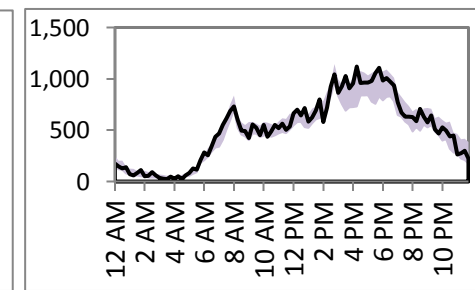
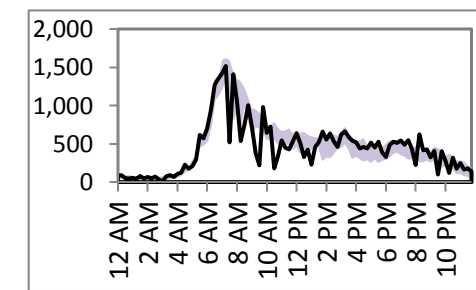
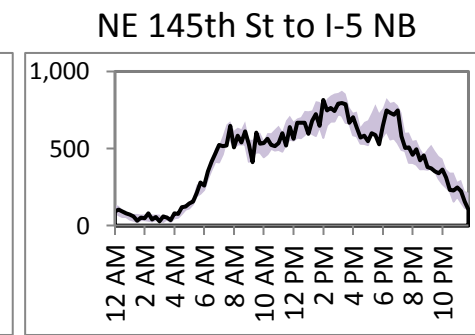
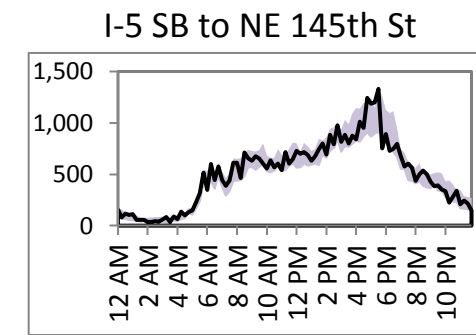
SR 520 Tolling: Traffic Monitoring

Hourly Interchange Volumes

Thursday, January 5, 2012

— Thursday, January 5, 2012

■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)



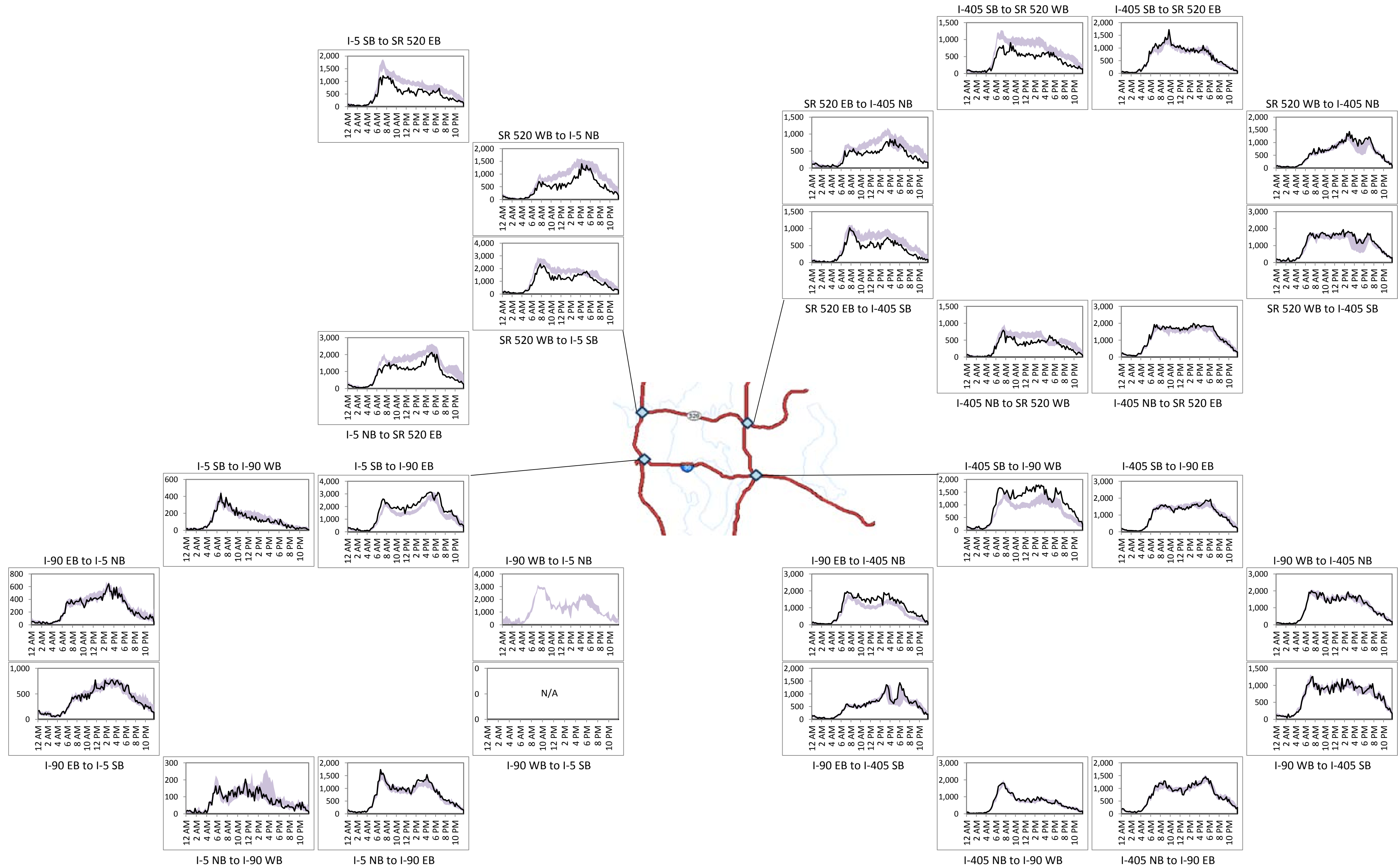
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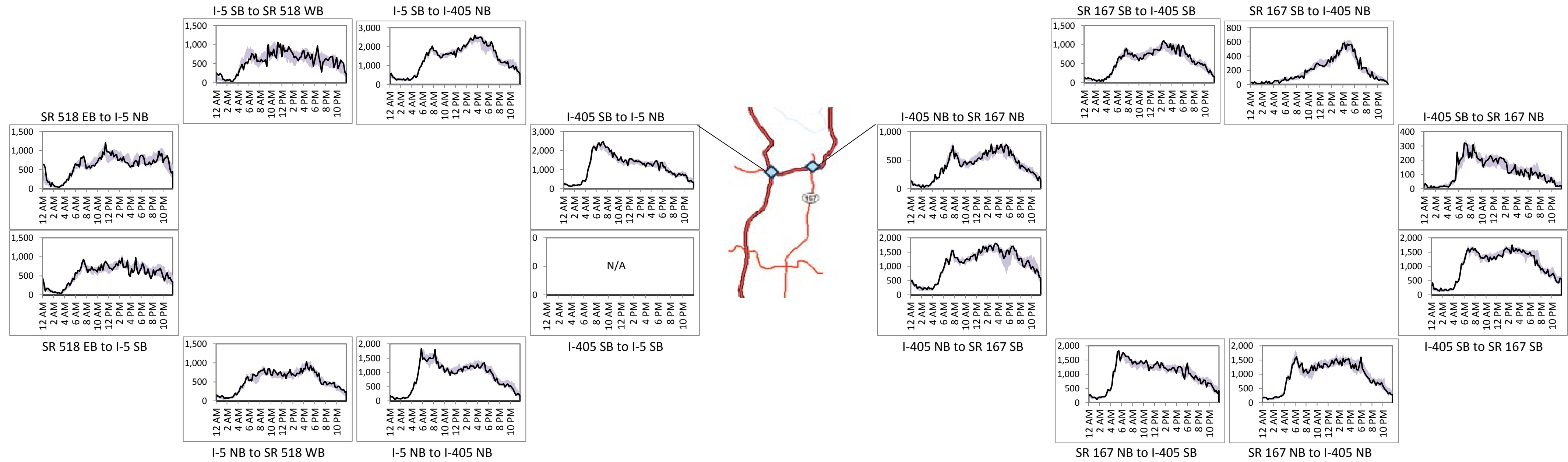
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SR 520 Tolling: Traffic Monitoring

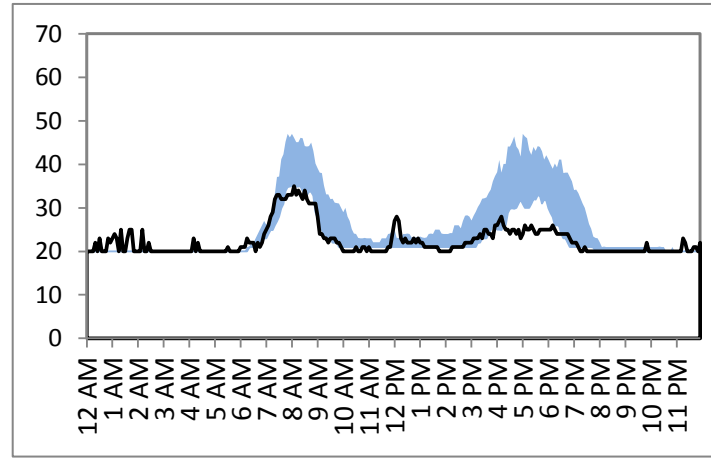
Travel Times

Thursday, January 5, 2012

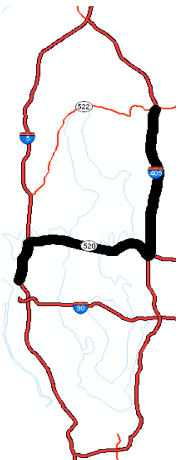
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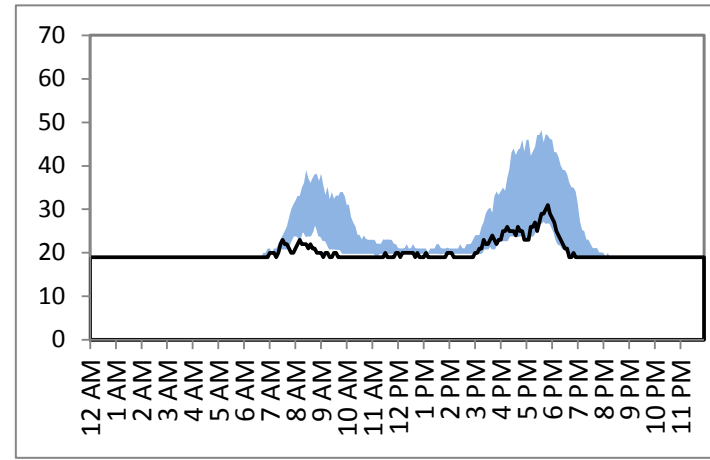
Woodinville to Seattle



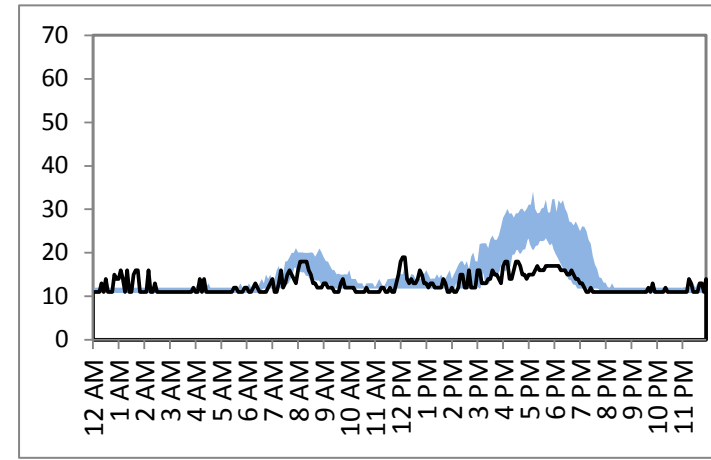
via 520



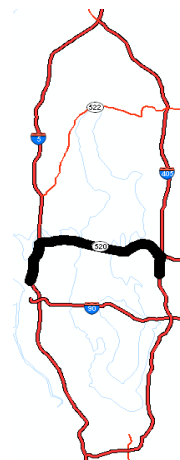
Seattle to Woodinville



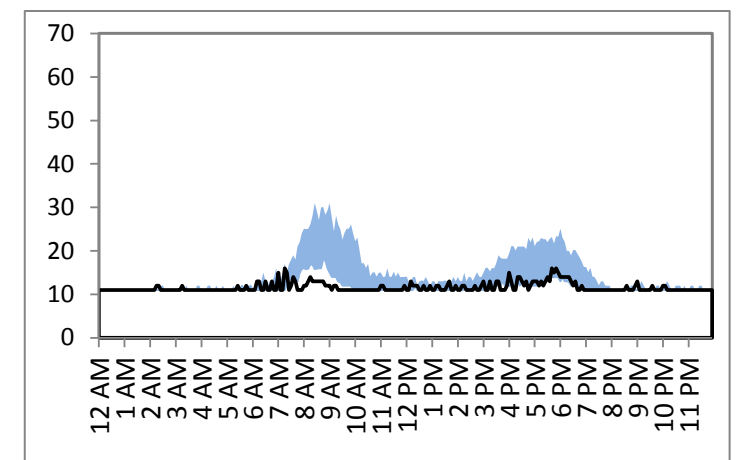
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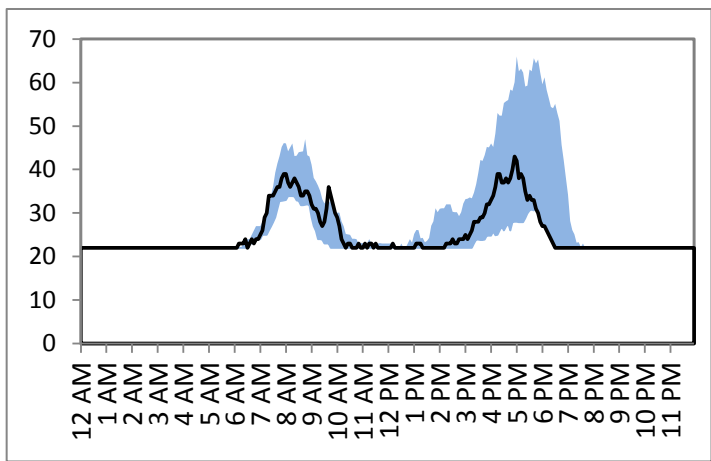
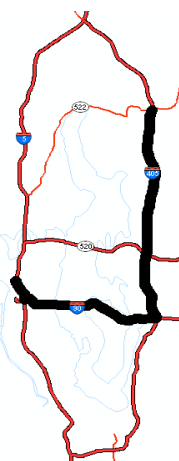
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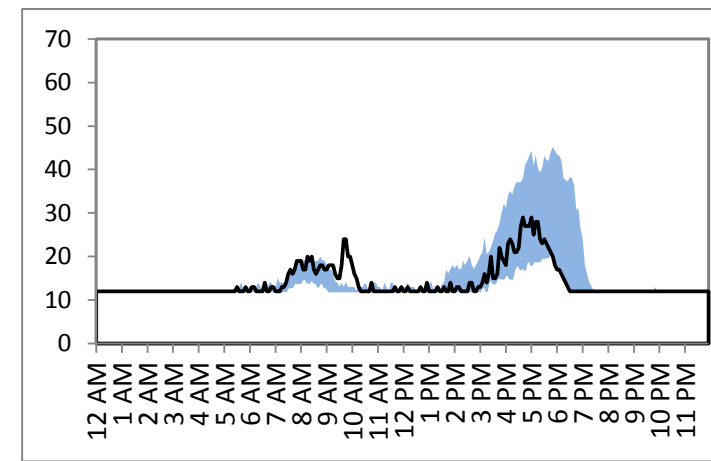
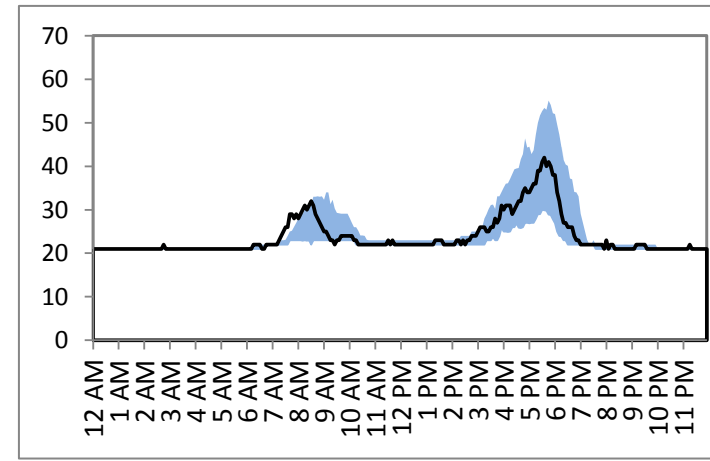
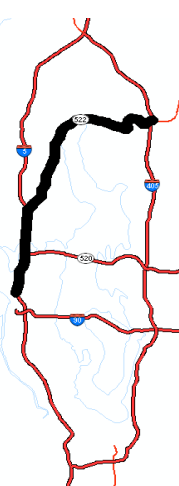
Seattle to Bellevue



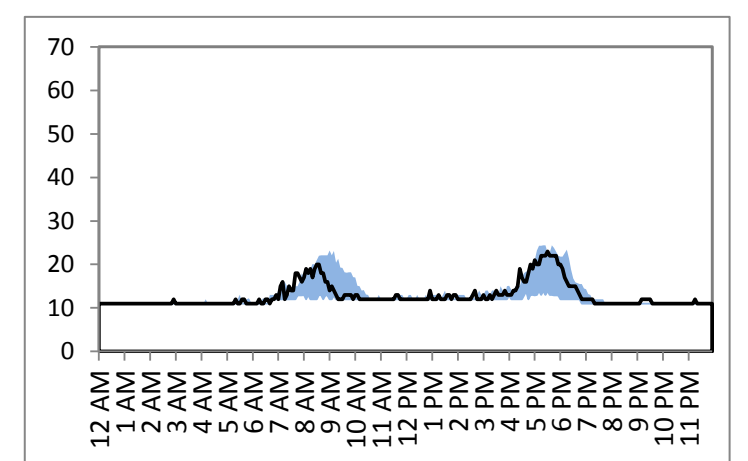
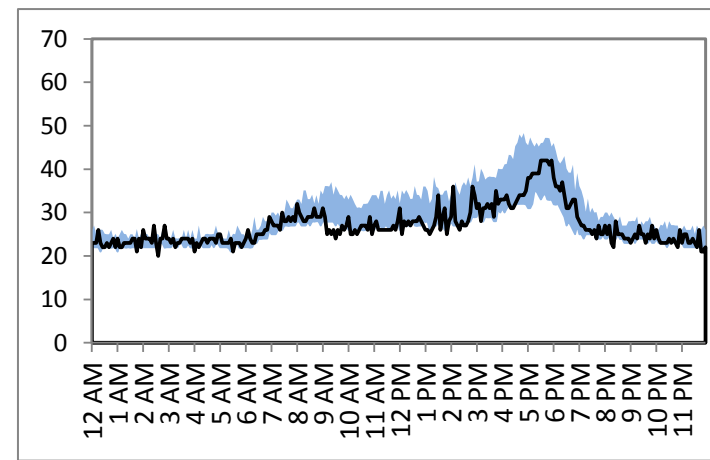
via I-90



via SR 522



via I-90



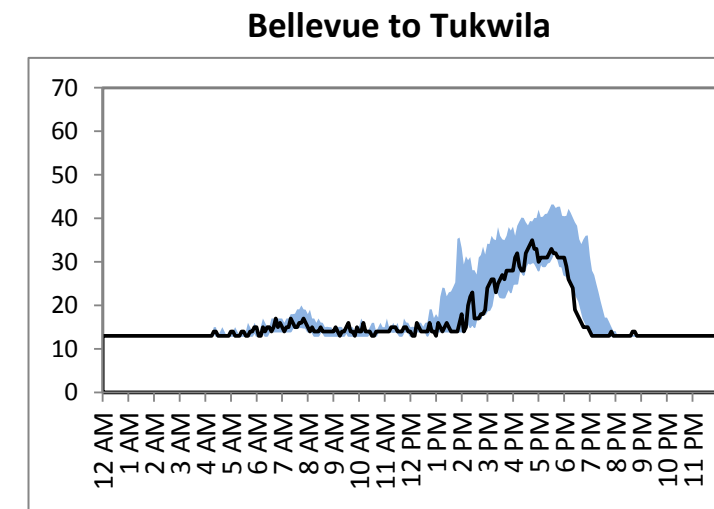
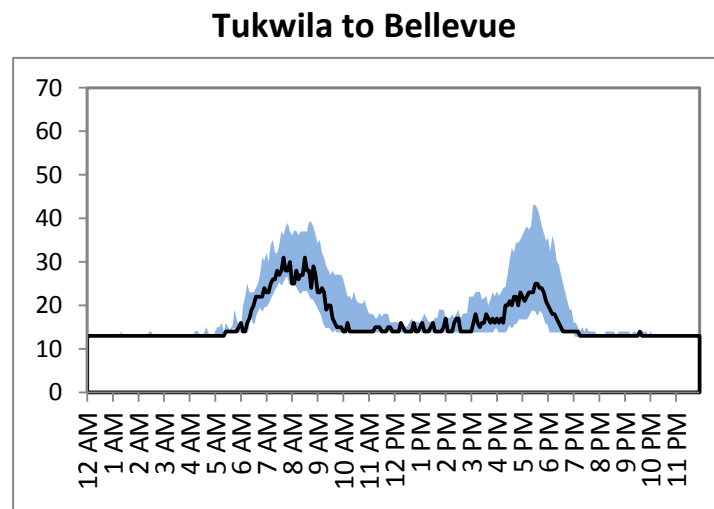
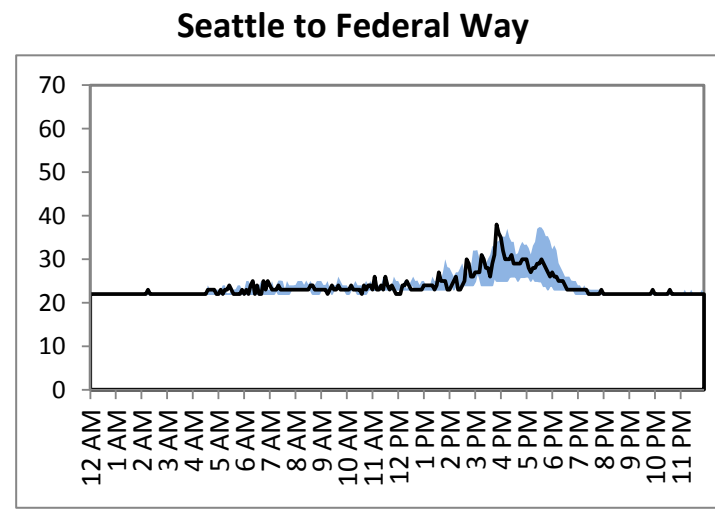
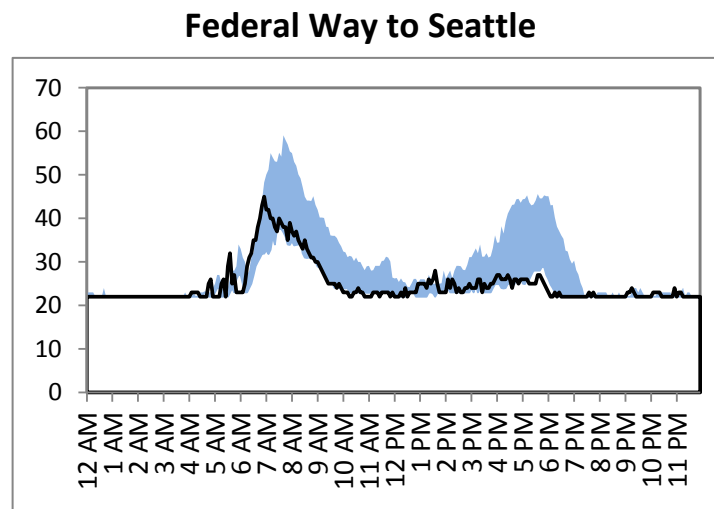
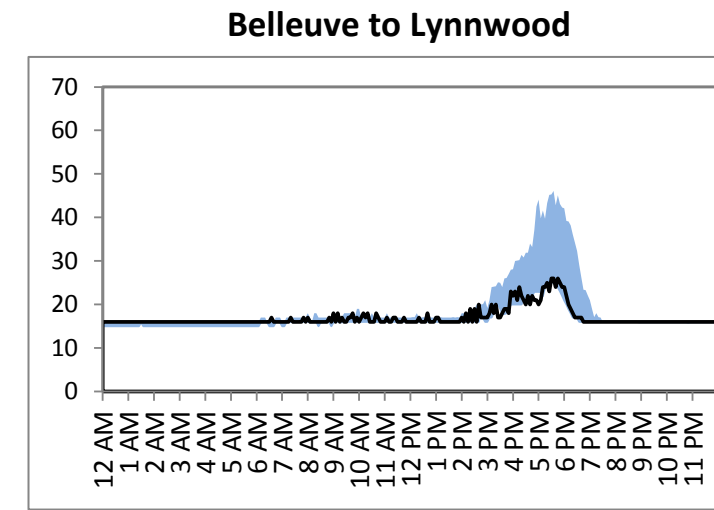
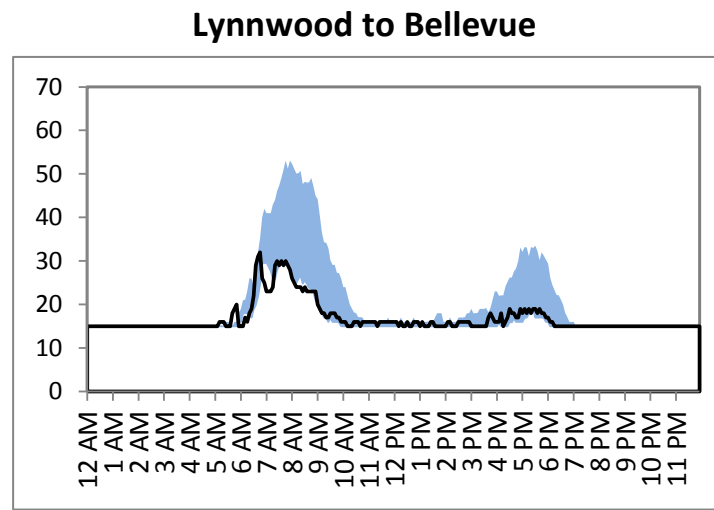
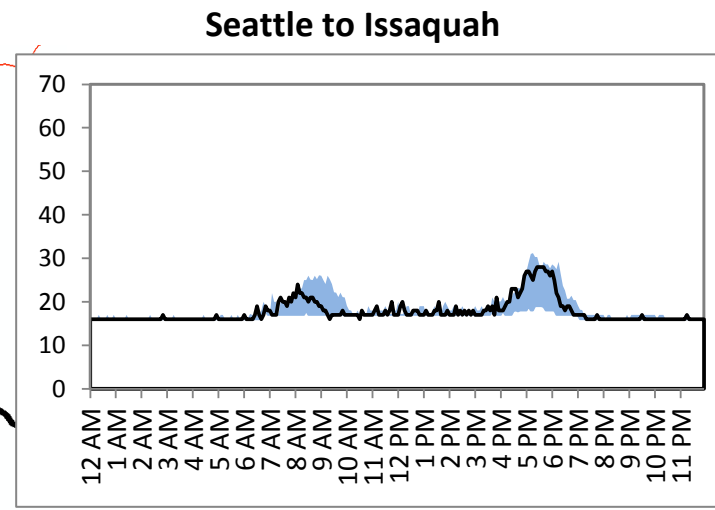
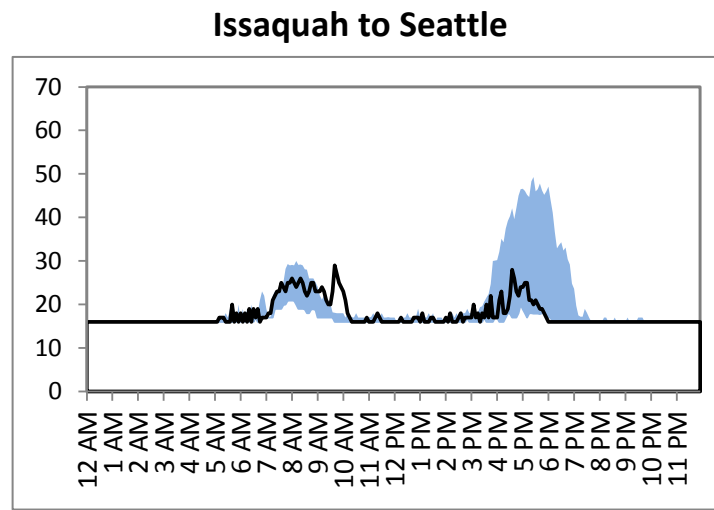
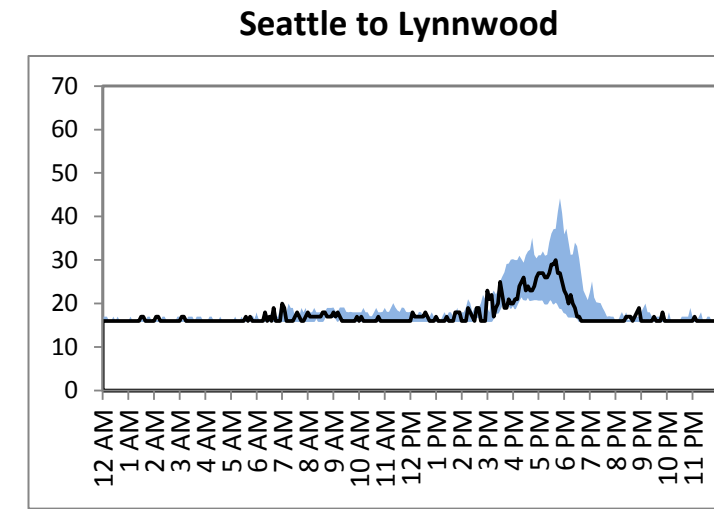
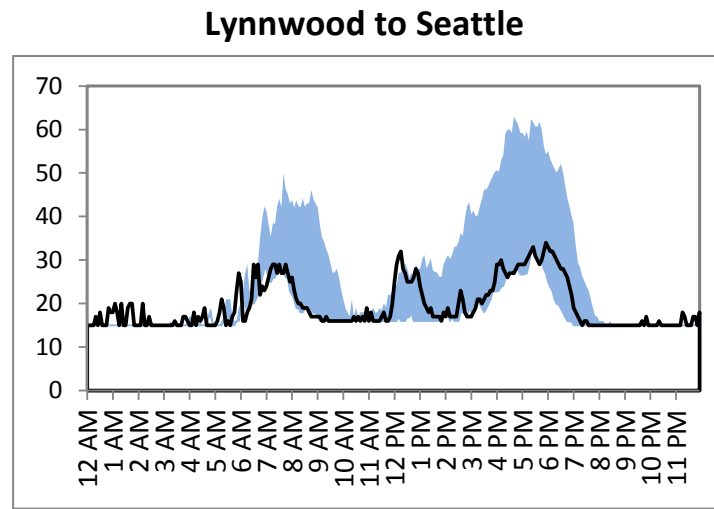
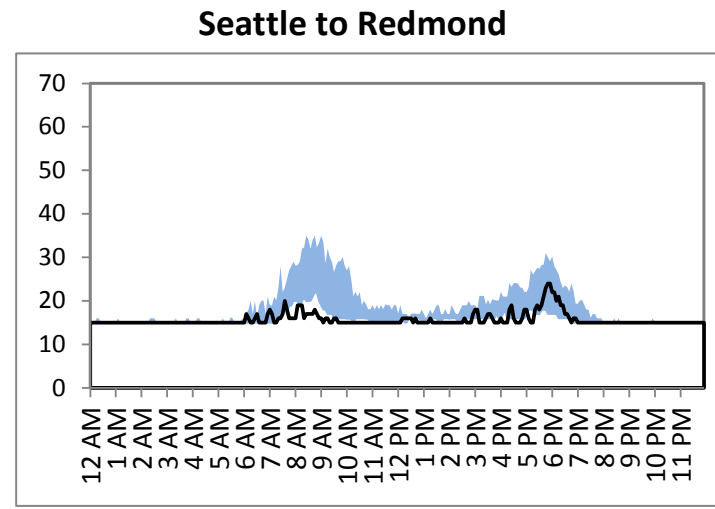
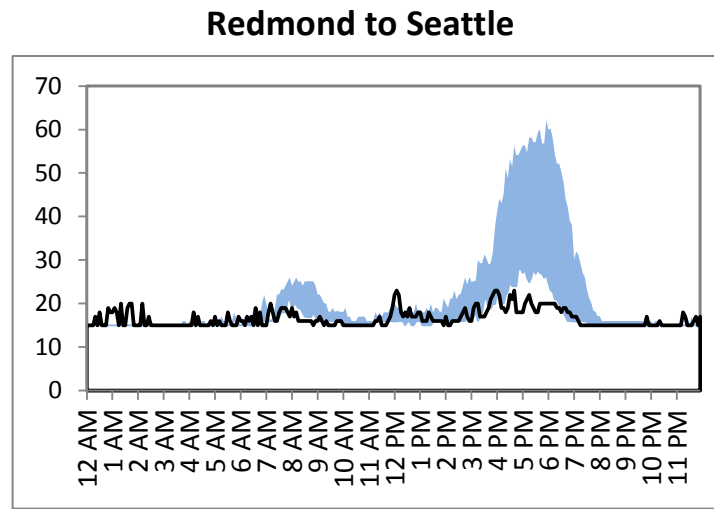
SR 520 Tolling: Traffic Monitoring

Travel Times

Thursday, January 5, 2012

— Thursday, January 5, 2012

■ Typical Range (10-90%ile, M-F, 10/29-11/18 & 11/26-12/16)



SR 520 Tolling: Traffic Monitoring

Congestion Contours

Thursday, January 5, 2012

- free flow
- moderate
- heavy
- stop and go



SR 520 Tolling: Traffic Monitoring

SR 520 Detail

Thursday, January 5, 2012

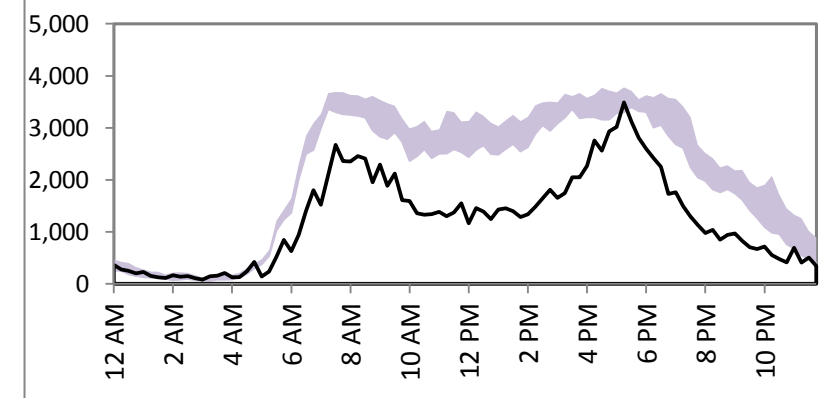
Mainline Volume



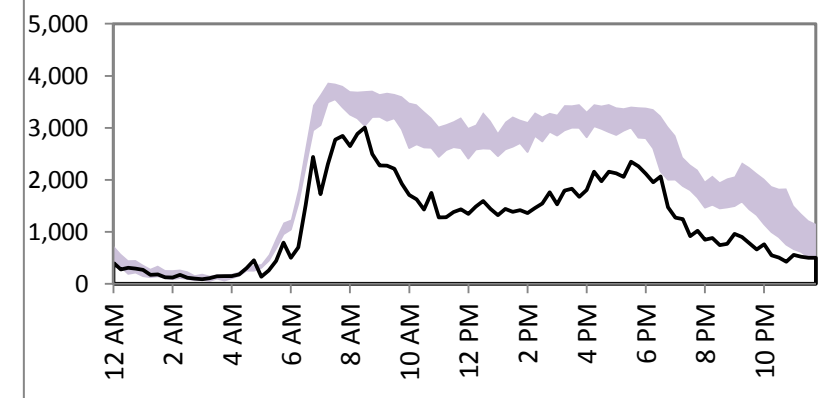
SR 520 Bridge

WB	EB
-42%	-41%
30,100	29,100
51,600	49,500

SR 520 WB Bridge



SR 520 EB Bridge



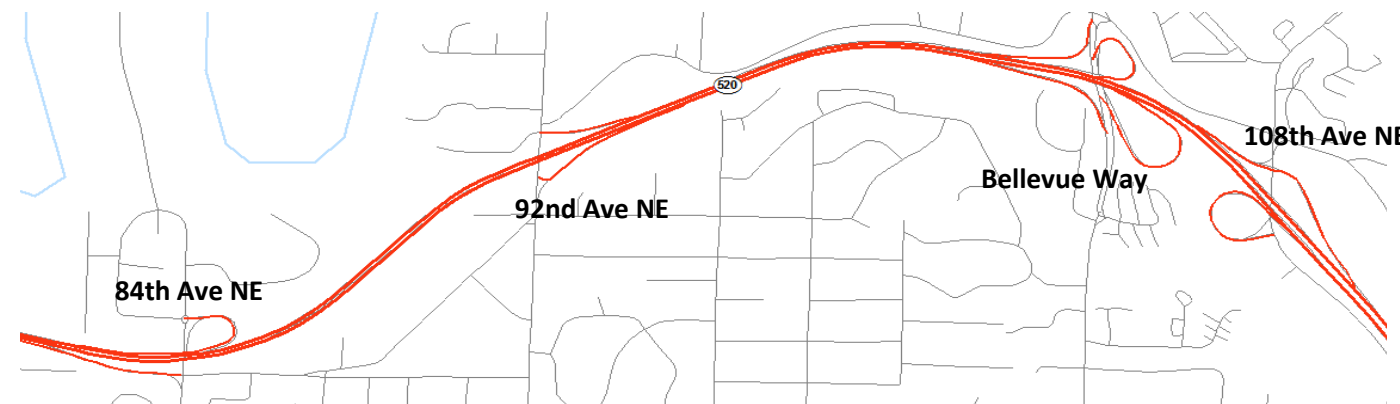
Ramp Volume

Montlake Blvd		Lk Wa Blvd
WB on ramp	WB exit	WB exit
10%	-33%	-34%
14,900	6,500	3,300
13,600	9,700	5,000

84th Ave NE	92nd Ave NE	Bellevue Way		108th Ave NE	
WB on ramp	WB exit	NB to WB on ramp	SB to WB on ramp	WB on ramp	WB exit
-58%	21%	-37%	-35%	-32%	-8%
2,400	4,600	2,200	3,300	2,100	11,300
5,700	3,800	3,500	5,100	3,100	12,300



15%	-32%	-43%
14,100	8,200	2,800
12,300	12,100	4,900
EB exit	EB on ramp	EB on ramp
Montlake Blvd	Lk Wa Blvd	



-49%	4%	-33%	2%
2,900	5,100	6,000	10,700
5,700	4,900	9,000	10,500
EB exit	EB on ramp	EB exit	EB on ramp
84th Ave NE	92nd Ave NE	Bellevue Way	108th Ave NE

SR 520 Tolling: Traffic Monitoring

I-90 Detail

Thursday, January 5, 2012

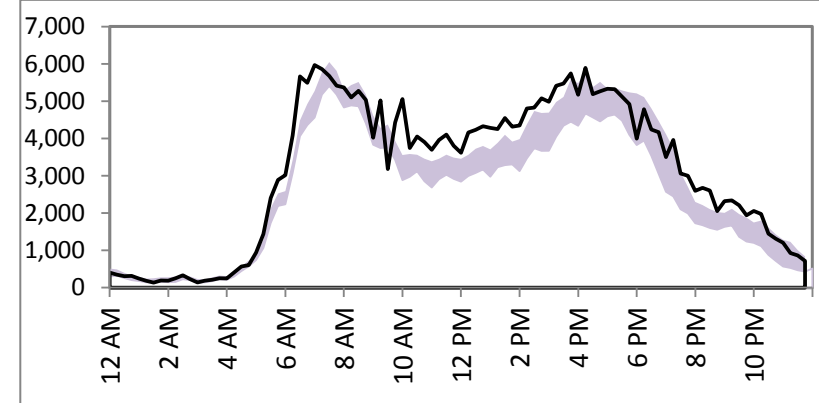
Mainline Volume



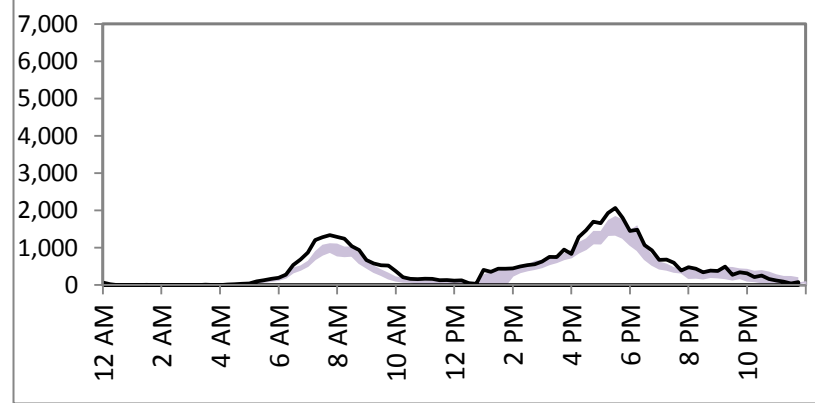
I-90 Bridge

WB	EB
15%	14%
79,100	78,700
68,800	69,100

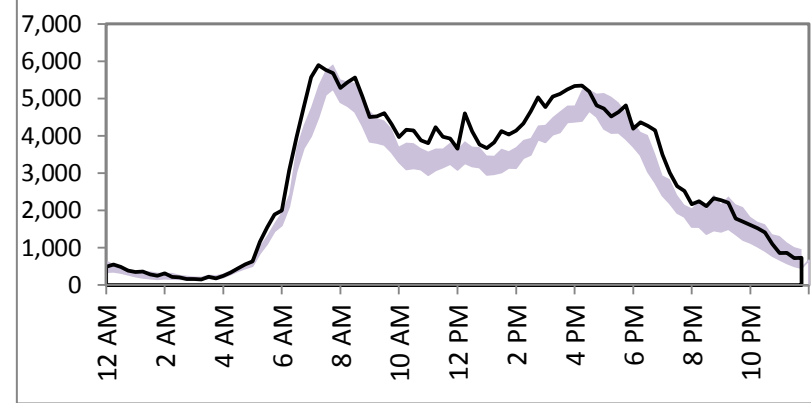
I-90 WB Bridge



I-90 REV Bridge



I-90 EB Bridge



Bellevue Way Ramp Volume

I-90 EB to Bellevue Way	Bellevue Way to I-90 WB
14%	11%
9,200	10,300
8,100	9,300

SR 520 Tolling: Traffic Monitoring

SR 522 Detail

Thursday, January 5, 2012

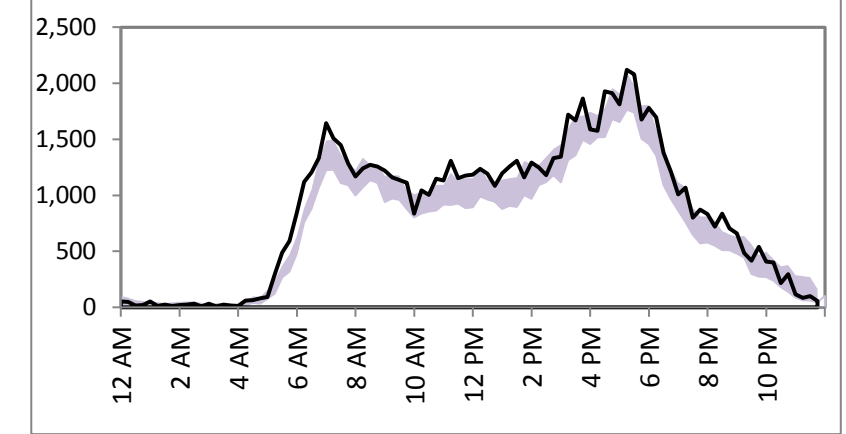
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Mainline Volume

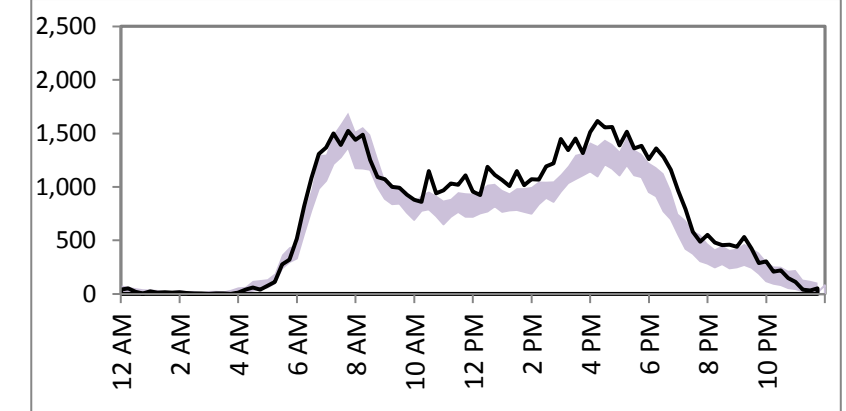


83rd PI NE	
WB	EB
11%	16%
20,900	17,700
18,900	15,200

SR 522 WB at 83rd Ave NE

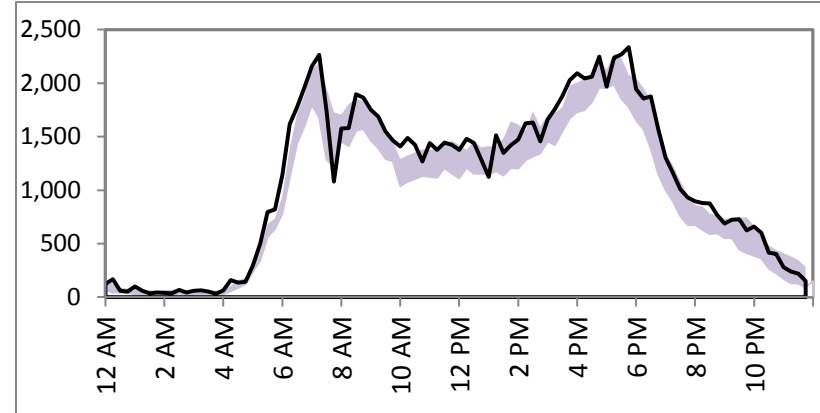


SR 522 EB at 83rd Ave NE



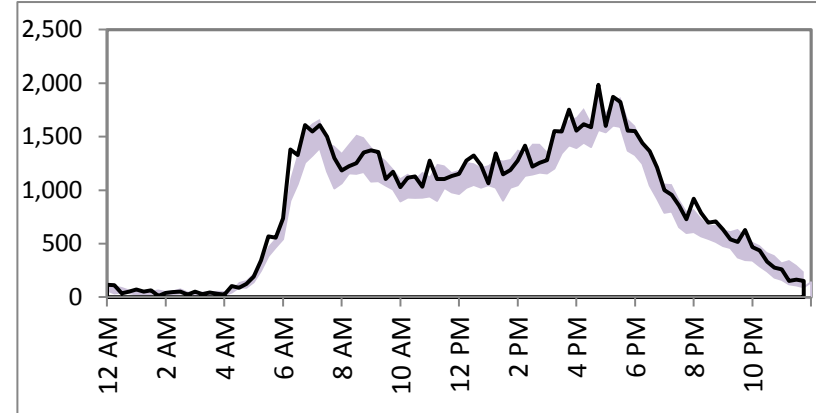
68th Ave NE	
WB	EB
9%	13%
26,200	18,800
24,000	16,700

SR 522 WB at 68th Ave NE



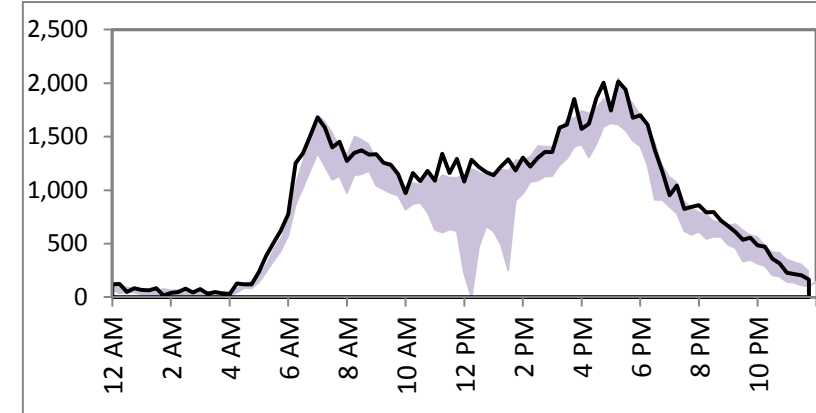
73rd Ave NE	
WB	EB
7%	13%
21,000	20,700
19,700	18,400

SR 522 WB at 73rd Ave NE



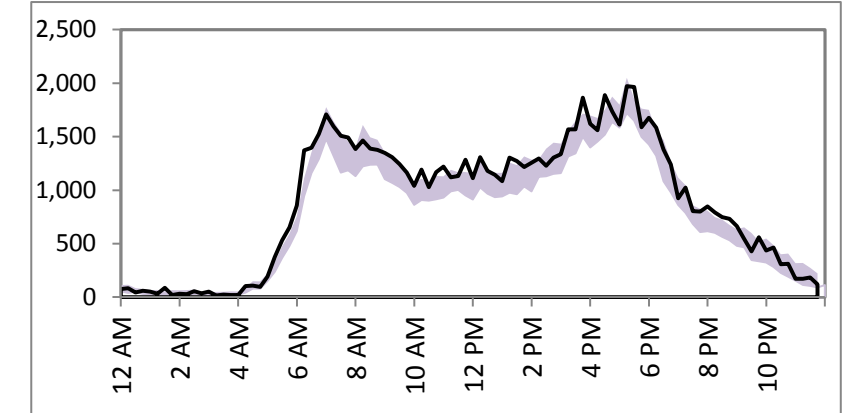
77th Ct NE	
WB	EB
8%	12%
21,700	20,800
20,100	18,600

SR 522 WB at 77th Ct NE

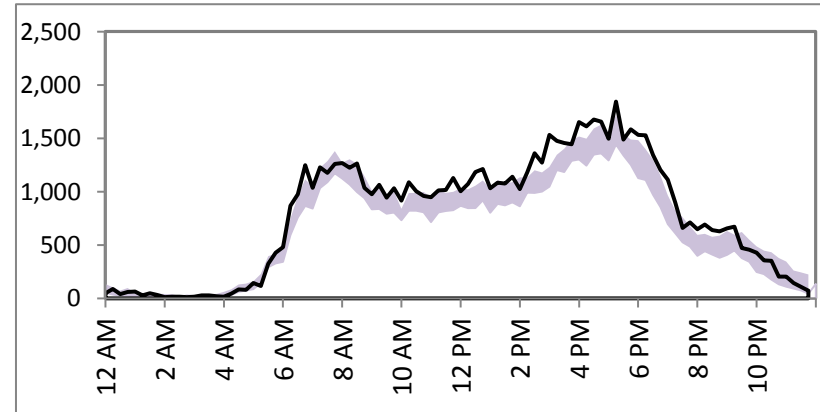


80th Ave NE	
WB	EB
8%	14%
21,500	20,300
20,000	17,800

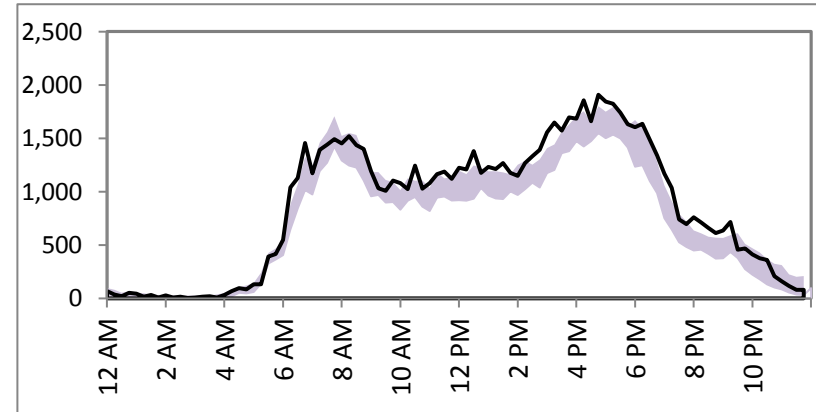
SR 522 WB at 80th Ave NE



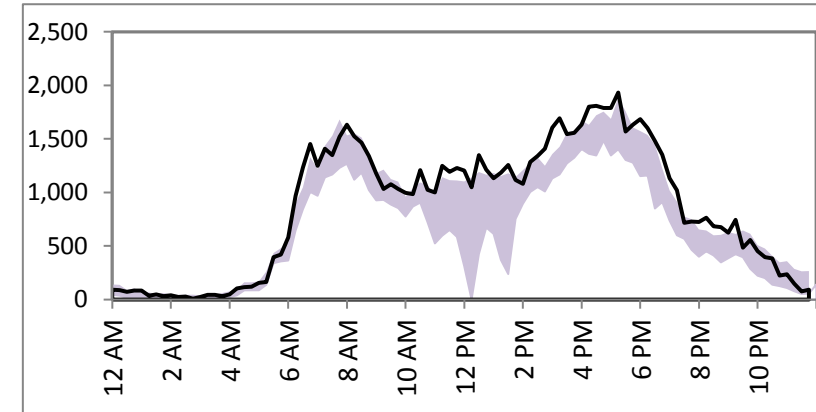
SR 522 EB at 68th Ave NE



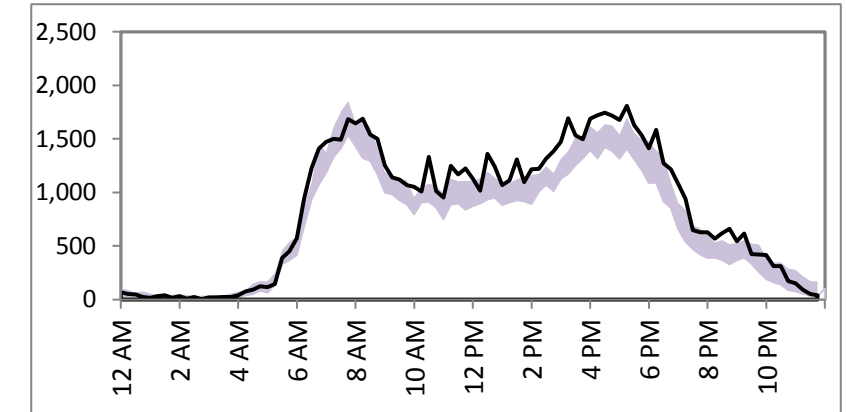
SR 522 EB at 73rd Ave NE



SR 522 EB at 77th Ct NE



SR 522 EB at 80th Ave NE

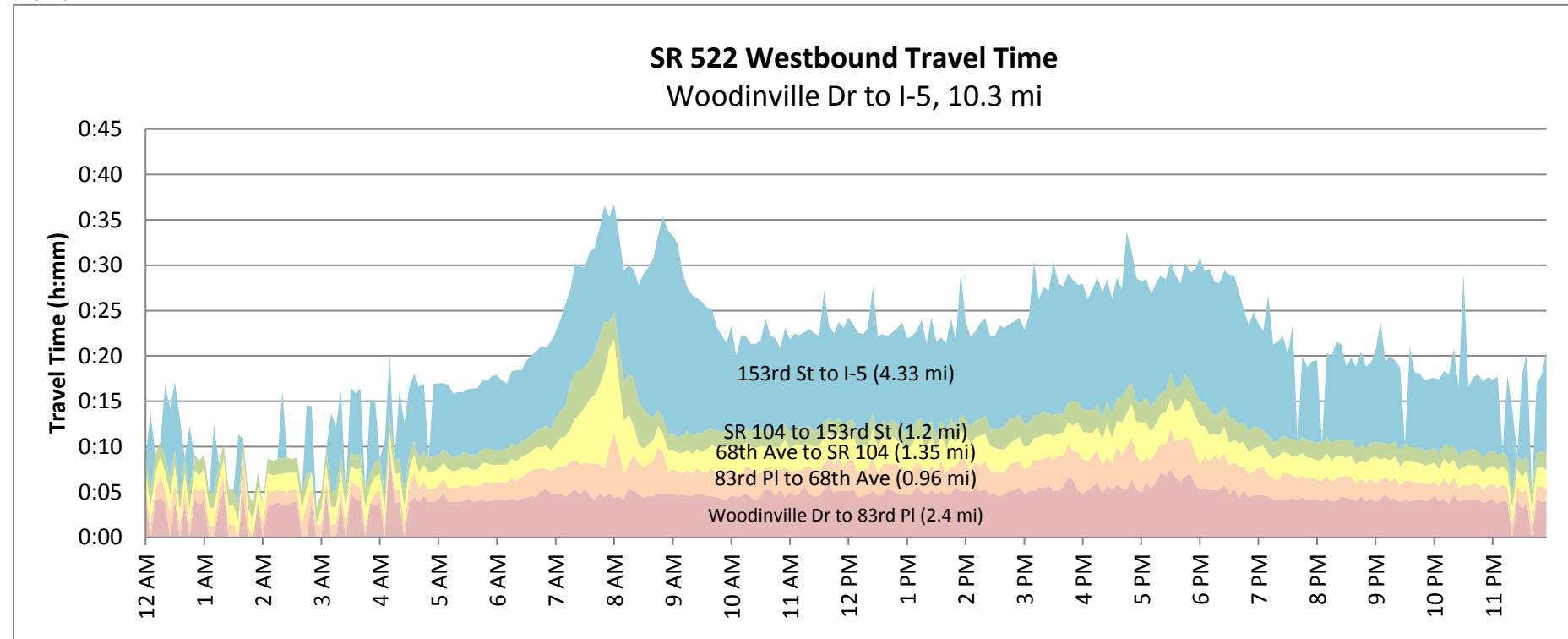


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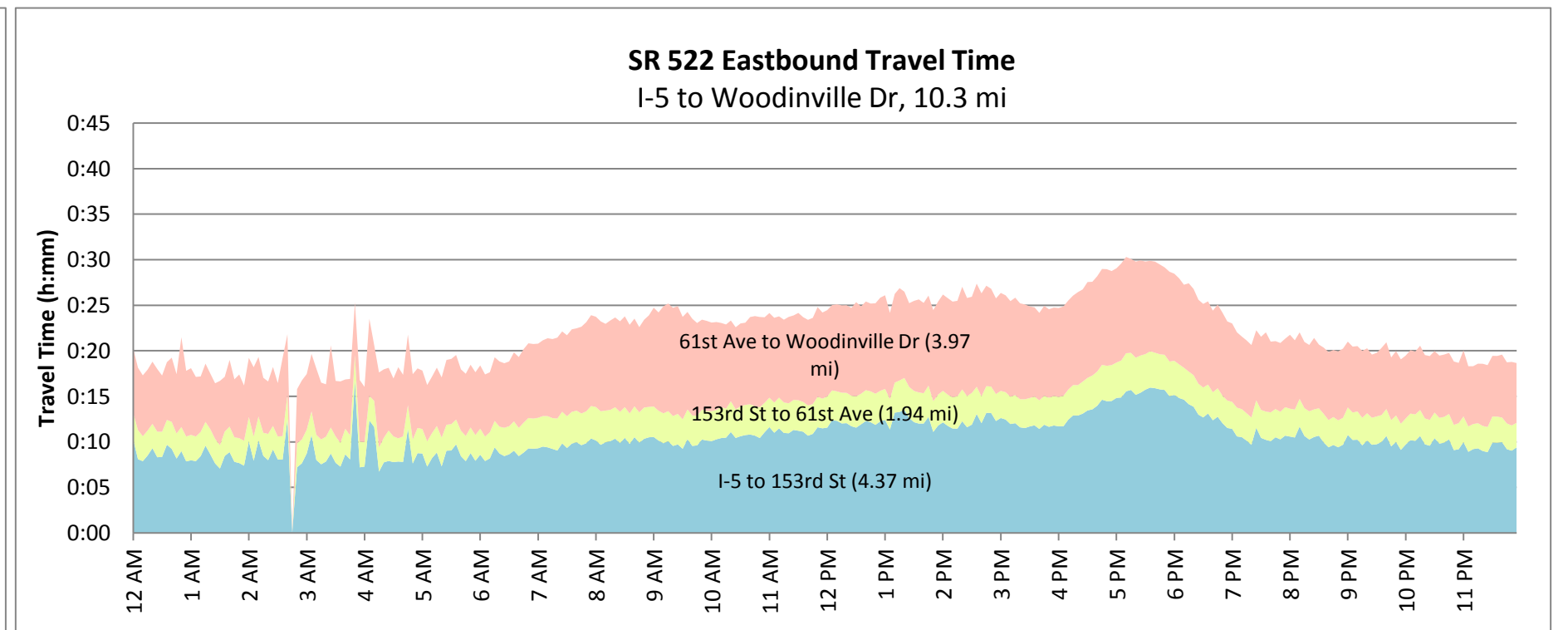
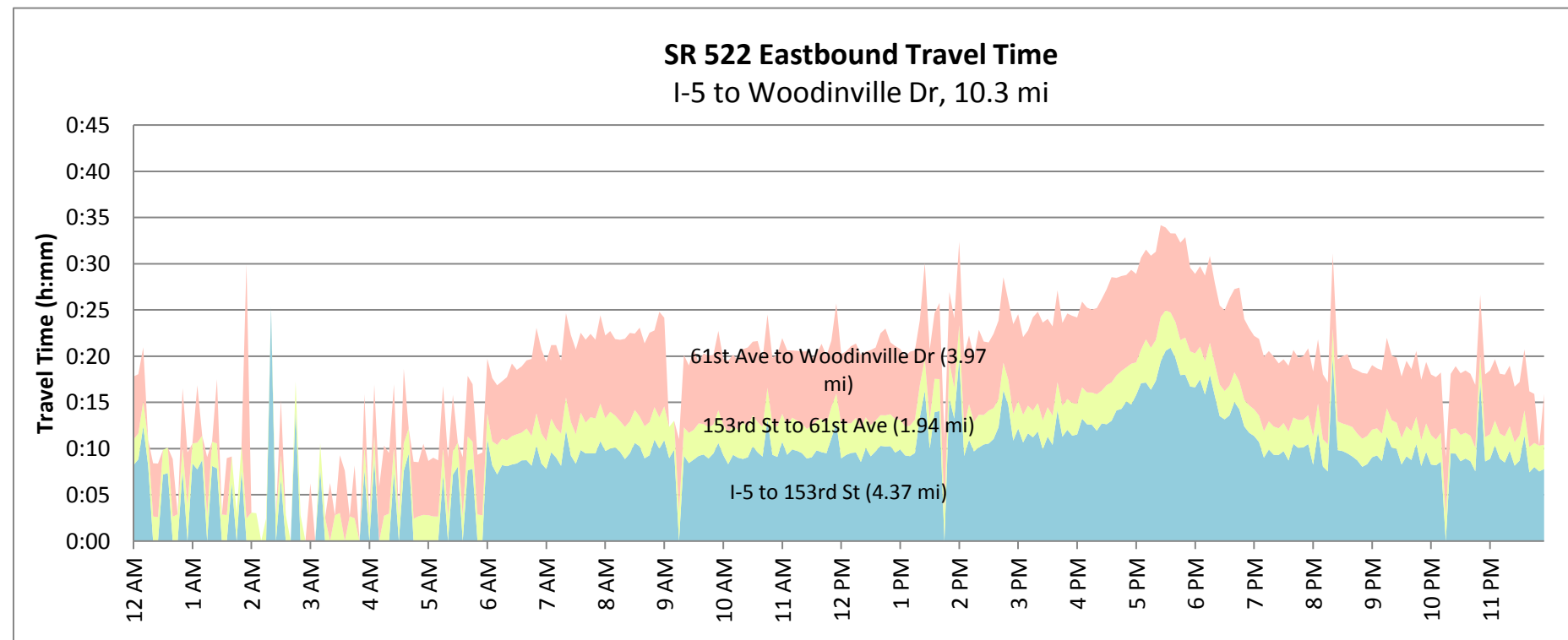
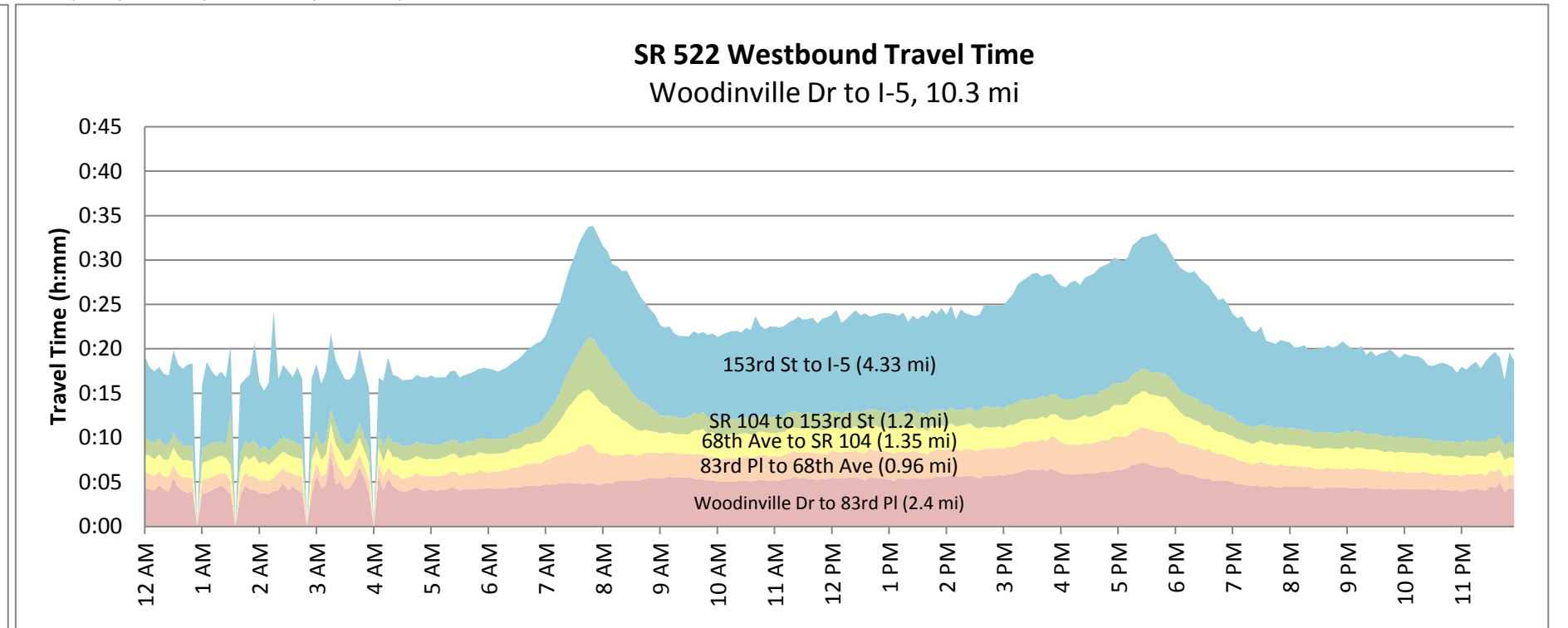
SR 522 Travel Times

Thursday, January 5, 2012

1/5/2012



M-F, 10/29-11/18 & 11/26-12/16



Note: travel time data may be unavailable during time periods with low traffic volume